

CHRISTINE NICOLE VAN KIRK

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Professional Summary

A lifelong student oriented towards integrating forefront technologies, diverse thinking, and natural teamwork to face complex challenges and make the world a more efficient, collaborative society.

Education

Bachelor of Science: Computer Science, Expected in 05/2023

University of Notre Dame – South Bend, IN

- 3.8/4.0 GPA, Dean's List, double minors in Theology and Corporate Business
- President and Co-Founder of the **Women in Computer Science Club**, with over eighty members and biweekly meetings involving panels, discussions, and social events
- Team Lead of the quarterback coding system for **Notre Dame Robotic Football Club**, Software Division
- Member of **Society of Women Engineers**

Professional Experience

Software Development Engineer Intern, 05/2022 to 08/2022

Amazon Robotics – Boston, MA

- Wrote a C++ backend server to share package metadata for Amazon delivery drivers to utilize on their routes, implemented in conjunction with a frontend client displaying a Web App with React
- Integrated AR-ID Amazon Software to scan package barcodes hands-free in real time through computer vision
- Collaborated with members of software development team and personnel in other departments

Undergraduate Summer Research Assistant (REU), 05/2021 to 07/2021

Auburn University – Auburn, AL

- Conducted research pertaining to computer vision to generate location data for drones within GPS-denied environments, specifically using Python-based feature detectors for unique 'photo fingerprints'
- Published a paper "Terrain Image Processing as Basis for Home-Oriented Navigation under Foreign GPS-denied Environments" in the *Journal for Computing Sciences in Colleges* with two professors as co-authors
- Prepared literature reviews for reports and presentations to my supervisors

Digital Forensic Analyst, 08/2021 to Current

St. Joseph County Prosecutor's Office – St. Joseph County, IN

- Provided technical expertise to prepare investigative reports for prosecutorial and management officials by analyzing data from digital evidence used in active cases
- Enhanced complex cases and investigations by assisting with large-scale data extraction, processing, and analysis.

Undergraduate Teaching Assistant, 02/2021 to Current

University of Notre Dame – South Bend, IN

- Hosted regular weekly office hours to review course material for both Sequential Logic & Digital Design (2 semesters) and Programming Challenges (1 semester)
- Graded assignments and reported individual progress to professors

Open Source Software Contributor, 03/2021 to 05/2021

Cisco Systems, Inc. – Remote

- Contributed to a major open source project (Open MPI) that fixed an issue with their automatic GitHub Action cycle processing new pull requests

Skills & Interests

Languages: Advanced Spanish

Computer: C, C++, Python, JavaScript, bash, shell scripting, GitHub, html, Java, MatLab, Maya

Interests: yoga, skateboarding, traveling